

What is claimed is:

1. A system for delivery of a message to a subscriber over multiple communications channels comprising:

means for accepting the message from a sender;

means for determining a sequence of the communications channels for delivery of the message based on a subscriber profile; and

means for delivery of the message over at least one of the communications channels until acknowledgement of message receipt by the subscriber.

2. The system of claim 1, wherein the message includes at least one of an email, an Instant Message, a video, a fax, a page and a voice message.

3. The system of claim 1, wherein the communications channels are tried sequentially until delivery of the message is acknowledged.

4. The system of claim 1, wherein the message is sent out simultaneously over all communications channels designated by the subscriber in the subscriber profile.

5. The system of claim 1, wherein the communications channels include at least one of Instant Messenger, cellular telephone, telephone land line, email, fax, pager and voice message.

6. The system of claim 1, wherein the acknowledgement includes positive acknowledgement.
7. The system of claim 1, wherein the acknowledgement includes negative acknowledgement.
8. The system of claim 1, wherein the message is converted to a form suitable to the communications channel being used.
9. The system of claim 1, wherein the message is converted from character-based to sound-based for delivery to a voice message.
10. The system of claim 1, wherein the message includes a tag.
11. The system of claim 10, wherein the tag includes message delivery expiration time.
12. The system of claim 1, further including means for monitoring functioning of networks, wherein communication channel selection for the delivery of the message is based on the monitoring.

13. The system of claim 1, further including means for monitoring functioning of email servers, wherein communication channel selection for the delivery of the message is based on the monitoring.

14. The system of claim 1, wherein the means for delivery monitors at least one of the following message delivery status indicators in order to select an optimal communication channel for the delivery of the message: Received for assembly, Assembled, Not Assembled, Reason Not Assembled, Sent via DA/Delivered, Sent via DA/Queued, Sent via DA/Rejected, and Sent to Assembled Message data store.

15. The system of claim 1, wherein the message is delivered based on at least one of subscriber geographical information, subscriber ZIP code, subscriber City, subscriber State, subscriber Country, and subscriber Phone number Area Code, subscriber Time zone data, and subscriber Latitude / Longitude data.

16. The system of claim 1, further including at last one of the following capabilities: Time Lapse, the message must be read within a certain time, and the message be read from a specific device.

17. A method of delivering of a message to a subscriber over multiple communications channels comprising the steps of:

accepting the message from a sender;

determining a sequence of the communications channels for delivery of the message based on a subscriber profile; and

delivering the message over at least one of the communications channels until acknowledgement of message receipt by the subscriber.

18. The method of claim 17, wherein the message includes at least one of an email, an Instant Message, a video, a fax, a page and a voice message.

19. The method of claim 17, wherein the communications channels are tried sequentially until delivery of the message is acknowledged.

20. The method of claim 17, wherein the message is sent out simultaneously over all communications channels designated by the subscriber in the subscriber profile.

21. The method of claim 17, wherein the communications channels include at least one of Instant Messenger, cellular telephone, telephone land line, email, fax, pager and voice message.

22. The method of claim 17, wherein the acknowledgement includes positive acknowledgement.

23. The method of claim 17, wherein the acknowledgement includes negative acknowledgement.

24. The method of claim 17, wherein the message is converted to a form suitable to the communications channel being used.

25. The method of claim 17, wherein the message is converted from character-based to sound-based for delivery to a voice message.

26. The method of claim 17, wherein the message includes a tag.

27. The method of claim 26, wherein the tag includes message delivery expiration time.

28. The method of claim 17, further including the step of monitoring functioning of networks, wherein communication channel selection for the delivery of the message is based on the monitoring.

29. The method of claim 17, further including the step of monitoring functioning of message servers, wherein communication channel selection for the delivery of the message is based on the monitoring.

30. The method of claim 17, wherein the step of delivering the message monitors at least one of the following message delivery status indicators in order to select an optimal communication channel for the delivery of the message: Received for assembly, Assembled, Not Assembled, Reason Not Assembled, Sent via DA/Delivered, Sent via DA/Queued, Sent via DA/Rejected, and Sent to Assembled Message data store.

31. The method of claim 17, wherein the message is delivered based on at least one of subscriber geographical information, subscriber ZIP code, subscriber City, subscriber State, subscriber Country, and subscriber Phone number Area Code, subscriber Time zone data, and subscriber Latitude / Longitude data.

32. The method of claim 17, wherein the delivery step delivers the message subject to at least one of the following restrictions: Time Lapse, the message must be read within a certain time, and the message be read from a specific device.

33. A system for delivering an electronic message comprising:

means for continuously monitoring functioning of communication channels for delivering the message to a subscriber;

means for delivering the message to the subscriber based on a subscriber profile defining priority for the communication channels; and

means for modifying the delivery sequence of the communication channels based on information from the means for continuously monitoring.

34. The system of claim 33, wherein the means for monitoring monitors functioning of networks.

35. The system of claim 33, wherein the means for monitoring monitors functioning of remote servers.

36. The system of claim 33, wherein the means for monitoring monitors availability of remote resources on a network.

37. The system of claim 33, wherein the means for monitoring monitors response times of remote resources on a network.

38. The system of claim 33, wherein the means for monitoring maintains statistics on response times of remote resources on a network.

39. The system of claim 33, wherein the means for monitoring number of failed connections to remote resources on a network.

40. The system of claim 33, wherein the means for monitoring monitors if a remote server is down.

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41. A method of delivering an electronic message comprising the steps of:
continuously monitoring functioning of communication channels for delivering the message to a subscriber;
delivering the message to the subscriber based on a subscriber profile defining priority for the communication channels; and
modifying the priority for the communication channels based on information from the means for continuously monitoring.

42. The method of claim 41, wherein the step of monitoring monitors functioning of networks.

43. The method of claim 41, wherein the step of monitoring monitors functioning of remote servers.

44. The method of claim 41, wherein the step of monitoring monitors availability of remote resources on a network.

45. The method of claim 41, wherein the step of monitoring monitors response times of remote resources on a network.

46. The method of claim 41, wherein the step of monitoring maintains statistics on response times of remote resources on a network.

49. A system for delivery of a message to a subscriber comprising:
means for accepting the message from a sender;
means for adding an expiration time to the message for delivery of the message; and
means for delivery of the message to the subscriber prior to the expiration time;
means for receiving acknowledgement of message receipt by the subscriber.

50. The system of claim 49, wherein the message includes at least one of an email, an Instant Message, a video, a fax, a page and a voice message.

51. The system of claim 49, further including means for delivery of the message over multiple communications channels.

52. The system of claim 49, wherein the communications channels are tried sequentially until delivery of the message is acknowledged.

53. The system of claim 49, wherein the message is sent out simultaneously over all communications channels designated by the subscriber in a subscriber profile.

54. The system of claim 49, wherein the communications channels include at least one of Instant Messenger, cellular telephone, telephone land line, email, fax, pager and voice message.

55. The system of claim 49, wherein the acknowledgement includes at least one of a positive acknowledgement and a negative acknowledgement.

56. The system of claim 49, wherein the message is converted to a form suitable to the communications channel being used.

57. The system of claim 49, wherein the message is converted from character-based to sound-based for delivery to a voice message.

58. The system of claim 49, wherein the message includes a tag.

59. The system of claim 58, wherein the tag includes message delivery expiration time.

60. The system of claim 58, wherein the tag includes globally unique tracking key identifier.

61. The system of claim 58, wherein the tag includes globally unique message identifier.

62. The system of claim 58, wherein the tag includes versioning information.

63. The system of claim 58, wherein the tag includes a security checksum.

64. The system of claim 58, wherein the tag is dependent on a communication channel chosen for delivery of the message.

65. The system of claim 49, further including means for monitoring functioning of networks, wherein communication channel selection for the delivery of the message is based on the monitoring.

66. The system of claim 49, further including means for monitoring functioning of message servers, wherein communication channel selection for the delivery of the message is based on the monitoring.

67. The system of claim 49, wherein the means for delivery monitors at least one of the following message delivery status indicators in order to select an optimal communication channel for the delivery of the message: Received for assembly, Assembled, Not Assembled, Reason Not Assembled, Sent via DA/Delivered, Sent via DA/Queued, Sent via DA/Rejected, and Sent to Assembled Message data store.

68. The system of claim 49, wherein the message is delivered based on at least one of subscriber geographical information, subscriber ZIP code, subscriber City, subscriber State, subscriber Country, and subscriber Phone number Area Code, subscriber Time zone data, and subscriber Latitude / Longitude data.

69. The system of claim 49, further including at last one of the following capabilities:
Time Lapse, the message must be read within a certain time, and the message be read from a
specific device.

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70. A method of delivering a message to a subscriber comprising the steps of:
accepting the message from a sender;
adding an expiration time to the message for delivery of the message; and
delivering the message to the subscriber prior to the expiration time; and
receiving acknowledgement of message receipt by the subscriber.

71. The method of claim 70, wherein the message includes at least one of an email, an Instant Message, a video, a fax, a page and a voice message.

72. The method of claim 70, further including the step of delivery of the message over multiple communications channels.

73. The method of claim 70, wherein, in the delivering step, the communications channels are tried sequentially until delivery of the message is acknowledged.

74. The method of claim 70, wherein the message is sent out simultaneously over all communications channels designated by the subscriber in a subscriber profile.

75. The method of claim 70, wherein the communications channels include at least one of Instant Messenger, cellular telephone, telephone land line, email, fax, pager and voice message.

76. The method of claim 70, wherein the acknowledgement includes at least one of a positive acknowledgement and a negative acknowledgement.

77. The method of claim 70, further including the step of converting the message to a form suitable to the communications channel.

78. The method of claim 70, further including the step of converting the message from character-based to sound-based for delivery to a voice message.

79. The method of claim 70, wherein the message includes a tag.

80. The method of claim 79, wherein the tag includes message delivery expiration time.

81. The system of claim 79, wherein the tag includes globally unique tracking key identifier.

82. The system of claim 79, wherein the tag includes globally unique message identifier.

83. The system of claim 79, wherein the tag includes versioning information.

84. The system of claim 79, wherein the tag includes a security checksum.

85. The method of claim 79, wherein the tag is dependent on a communication channel chosen for delivery of the message.

86. The method of claim 70, further including the step of monitoring functioning of networks, wherein communication channel selection for the delivery of the message is based on the monitoring.

87. The method of claim 70, further including the step of monitoring functioning of message servers, wherein communication channel selection for the delivery of the message is based on the monitoring.

88. The method of claim 70, wherein the delivery step monitors at least one of the following message delivery status indicators in order to select an optimal communication channel for the delivery of the message: Received for assembly, Assembled, Not Assembled, Reason Not Assembled, Sent via DA/Delivered, Sent via DA/Queued, Sent via DA/Rejected, and Sent to Assembled Message data store.

89. The method of claim 70, wherein the message is delivered based on at least one of subscriber geographical information, subscriber ZIP code, subscriber City, subscriber State, subscriber Country, and subscriber Phone number Area Code, subscriber Time zone data, and subscriber Latitude / Longitude data.

90. A system for delivery of a message to a subscriber over multiple communications channels comprising:

means for accepting the message from a sender;

means for adding a channel-dependent tracking ID to the message;

means for determining a sequence of the communications channels for delivery of the message to the subscriber; and

means for delivery of the message over at least one of the communications channels.

91. The system of claim 90, wherein the message includes at least one of an email, an Instant Message, a video, a fax, a page and a voice message.

92. The system of claim 90, wherein the communications channels are tried sequentially until delivery of the message is acknowledged.

93. The system of claim 90, wherein the message is sent out simultaneously over all communications channels designated by the subscriber in a subscriber profile.

94. The system of claim 90, wherein the communications channels include at least one of Instant Messenger, cellular telephone, telephone land line, email, fax, pager and voice message.

95. The system of claim 90, further including means for acknowledgement of message receipt by the subscriber.

96. The system of claim 90, wherein the tracking ID includes expiration time.

97. The system of claim 90, wherein the tracking ID includes globally unique tracking key identifier.

98. The system of claim 90, wherein the tracking ID includes globally unique message identifier.

99. The system of claim 90, wherein the tracking ID includes versioning information.

100. The system of claim 90, wherein the tracking ID includes a security checksum.

101. The system of claim 90, further including means for monitoring functioning of networks, wherein communication channel selection for the delivery of the message is based on the monitoring.

102. The system of claim 90, further including means for monitoring functioning of message servers, wherein communication channel selection for the delivery of the message is based on the monitoring.

103. The system of claim 90, wherein the tracking ID is encoded.

104. A method of delivering a message to a subscriber over multiple communications channels comprising the steps of:

accepting the message from a sender;
adding a channel-dependent tracking ID to the message;
determining a sequence of the communications channels for delivery of the message to the subscriber; and
delivering the message to the subscriber over at least one of the communications channels.

105. The method of claim 104, wherein the message includes at least one of an email, an Instant Message, a video, a fax, a page and a voice message.

106. The method of claim 104, wherein the delivery step tries the communications channels sequentially until delivery of the message is acknowledged.

107. The method of claim 104, wherein, in the delivery step, the message is sent out simultaneously over all communications channels designated by the subscriber in a subscriber profile.

108. The method of claim 104, wherein the communications channels include at least one of Instant Messenger, cellular telephone, telephone land line, email, fax, pager and voice message.

109. The method of claim 104, further including the step of acknowledging message receipt by the subscriber.

110. The method of claim 104, wherein the tracking ID includes expiration time.

111. The method of claim 104, further including the step monitoring functioning of networks, wherein communication channel selection in the delivery step is based on the monitoring.

112. The method of claim 104, further including the step of monitoring functioning of message servers, wherein communication channel selection in the delivery step is based on the monitoring.

113. The method of claim 104, wherein the tracking ID is encoded.

114. The system of claim 104, wherein the tracking ID includes globally unique tracking key identifier.

115. The system of claim 104, wherein the tracking ID includes globally unique message identifier.

116. The system of claim 104, wherein the tracking ID includes versioning information.

117. The system of claim 104, wherein the tracking ID includes a security checksum.

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119. A method of managing message delivery over a network comprising the steps of:
gathering notification events from remote resources using tags embedded in messages;
correlating data about the notification events; and
continuously sending the messages through a plurality of communication channels
prioritized based on the correlating step, until acknowledgement of receipt of the messages by
the subscriber.

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120. A system for managing message delivery over a network comprising:

means for determining locations of a sender and a subscriber;

means for prioritizing a plurality of communication channels for optimal delivery of a message based on the locations of the sender and the subscriber; and

means for delivering the messages through the plurality of communication channels, until acknowledgement of receipt of the message by the subscriber.

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121. A method of managing message delivery over a network comprising the steps of:
determining locations of a sender and a subscriber;
prioritizing a plurality of communication channels for optimal delivery of a message
based on the locations of the sender and the subscriber; and
delivering the messages through the plurality of communication channels, until
acknowledgement of receipt of the message by the subscriber.

121. A method of managing message delivery over a network comprising the steps of:
determining locations of a sender and a subscriber;
prioritizing a plurality of communication channels for optimal delivery of a message
based on the locations of the sender and the subscriber; and
delivering the messages through the plurality of communication channels, until
acknowledgement of receipt of the message by the subscriber.

122. A computer program product for managing message delivery over a network comprising:

means for determining subscriber message retrieval pattern;

means for delivery of a message to a subscriber on a remote resource based on the subscriber message retrieval pattern; and

means for receiving acknowledgement of receipt of the message by the subscriber.

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123. A method of managing message delivery over a network comprising the steps of:
determining subscriber message retrieval pattern;
delivering a message to a subscriber on a remote resource based on the subscriber
message retrieval pattern; and
receiving acknowledgement of receipt of the message by the subscriber.

123. A method of managing message delivery over a network comprising the steps of:
determining subscriber message retrieval pattern;
delivering a message to a subscriber on a remote resource based on the subscriber
message retrieval pattern; and
receiving acknowledgement of receipt of the message by the subscriber.

124. A computer program product for delivery of a message to a subscriber over multiple communications channels comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for accepting the message from a sender;

computer readable program code means for determining a sequence of the communications channels for delivery of the message based on a subscriber profile; and

computer readable program code means for delivery of the message over at least one of the communications channels until acknowledgement of message receipt by the subscriber.

124. A computer program product for delivery of a message to a subscriber over multiple communications channels comprising:

125. A computer program product for delivering an electronic message comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for continuously monitoring functioning of communication channels for delivering the message to a subscriber;

computer readable program code means for delivering the message to the subscriber based on a subscriber profile defining priority for the communication channels; and

computer readable program code means for modifying the priority for the communication channels based on information from the means for continuously monitoring.

125. A computer program product for delivering an electronic message comprising:
a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:
computer readable program code means for continuously monitoring functioning of communication channels for delivering the message to a subscriber;
computer readable program code means for delivering the message to the subscriber based on a subscriber profile defining priority for the communication channels; and
computer readable program code means for modifying the priority for the communication channels based on information from the means for continuously monitoring.

126. A computer program product for delivery of a message to a subscriber comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for accepting the message from a sender;

computer readable program code means for adding an expiration time to the message for delivery of the message; and

computer readable program code means for delivery of the message to the subscriber prior to the expiration time;

computer readable program code means for receiving acknowledgement of message receipt by the subscriber.

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127. A computer program product for delivery of a message to a subscriber over multiple communications channels comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for accepting the message from a sender;

computer readable program code means for adding a channel-dependent tracking ID to the message;

computer readable program code means for determining a sequence of the communications channels for delivery of the message to the subscriber; and

computer readable program code means for delivery of the message over at least one of the communications channels.

128. A computer program product for managing message delivery over a network comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for gathering notification events from remote resources using tags embedded in messages;

computer readable program code means for correlating data about the notification events; and

computer readable program code means for continuously sending the messages through a plurality of communication channels prioritized based on the correlating step, until acknowledgement of receipt of the messages by the subscriber.

129. A computer program product for managing message delivery over a network comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for determining locations of a sender and a subscriber;

computer readable program code means for prioritizing a plurality of communication channels for optimal delivery of a message based on the locations of the sender and the subscriber; and

computer readable program code means for delivering the messages through the plurality of communication channels, until acknowledgement of receipt of the message by the subscriber.

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130. A computer program product for managing message delivery over a network comprising:

a computer usable medium having computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code means for determining subscriber message retrieval pattern;

computer readable program code means for delivery of a message to a subscriber on a remote resource based on the subscriber message retrieval pattern; and

computer readable program code means for receiving acknowledgement of receipt of the message by the subscriber.